

FIG. 1
1

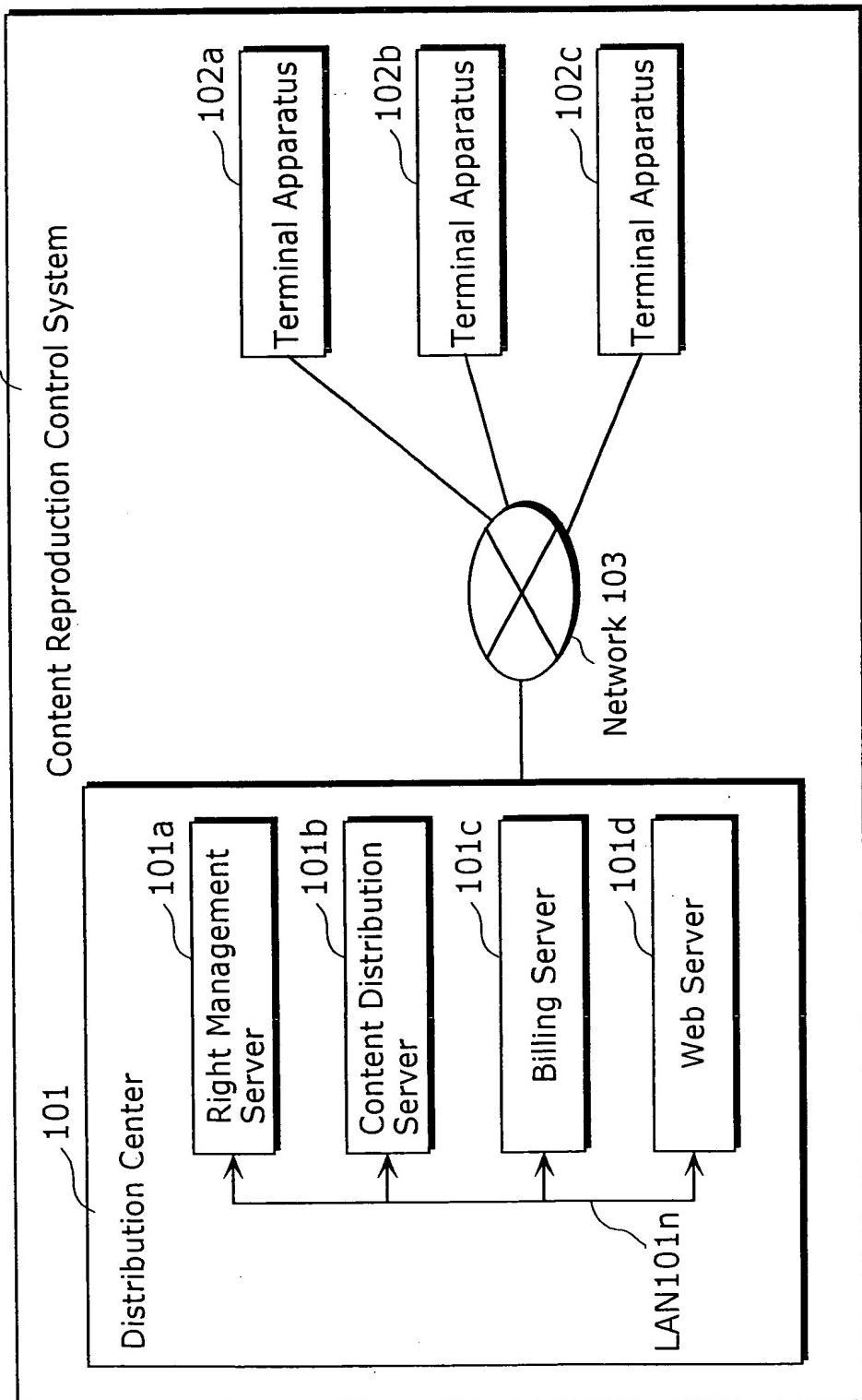


FIG. 2

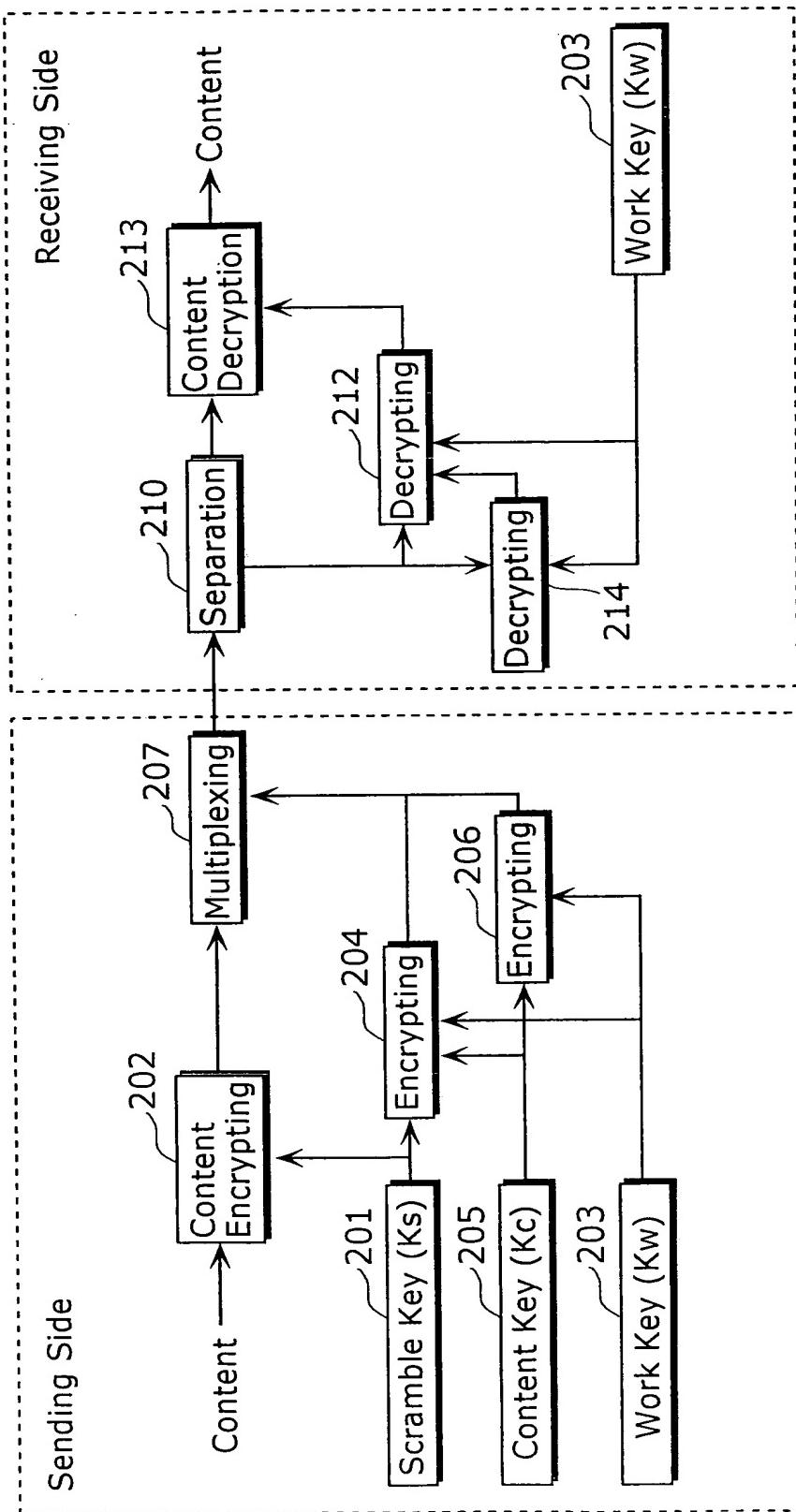


FIG. 3 Content Distribution Server 101b

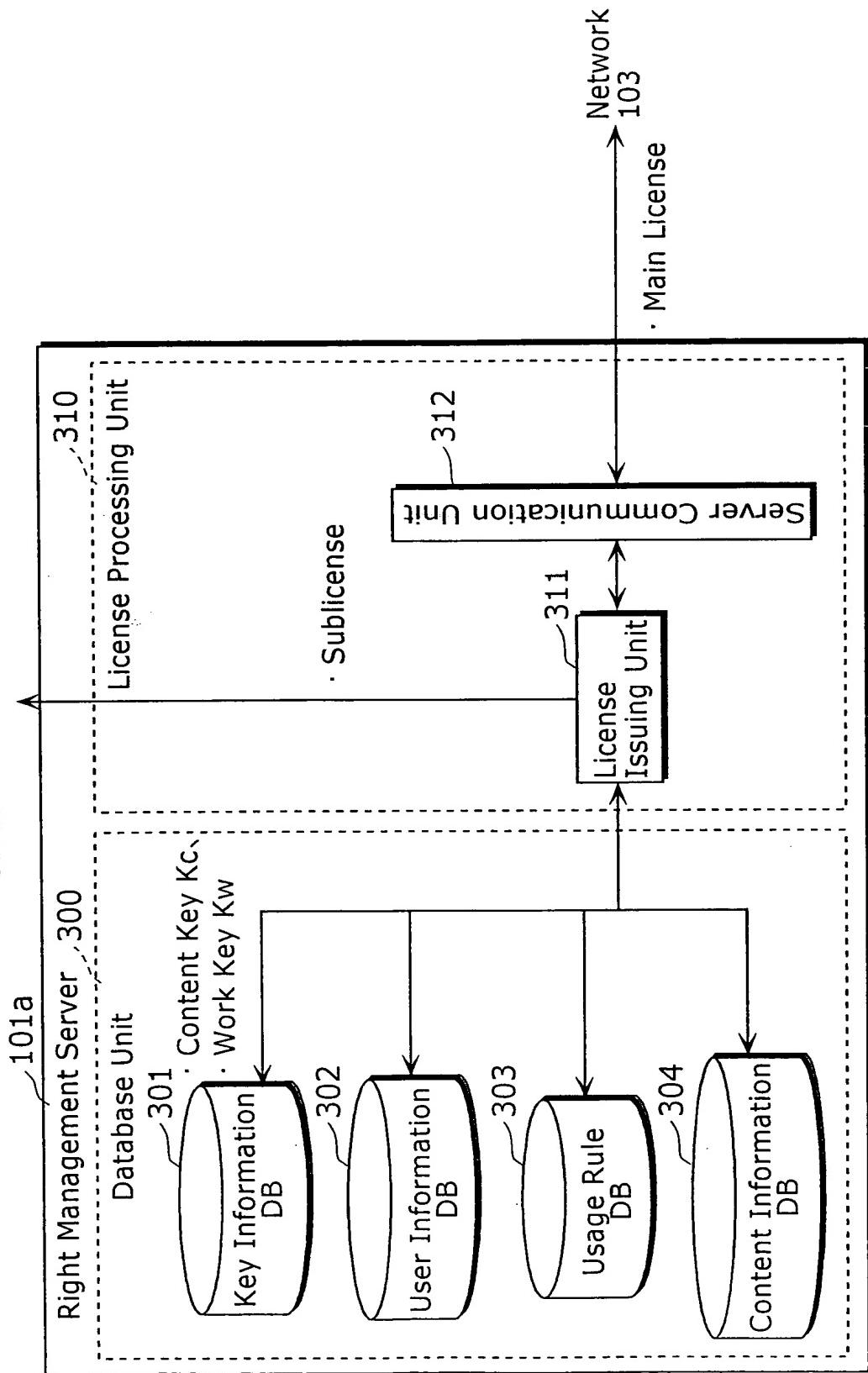


FIG. 4

Work Key Management Table 400

| Contract ID | Work Key ID | Work Key Kw |
|-------------------|-------------|--------------------|
| CONTRACT-ID-00001 | Kw-ID-00001 | 0x2340685345310911 |
| CONTRACT-ID-00002 | Kw-ID-00002 | 0xabcabcabcabcab |
| ... | ... | ... |

FIG. 5

Content Key Management Table 500

| Content ID | Content Key Kc |
|------------------|--------------------|
| CONTENT-ID-00001 | 0x1234567890abcdef |
| CONTENT-ID-00002 | 0x43195745a4098b4e |
| CONTENT-ID-00003 | 0x3970584ad3922247 |
| CONTENT-ID-00004 | 0x2411197120121974 |
| ... | ... |

FIG. 6

User Information Management Table 600

| User ID | Terminal ID |
|---------------|--|
| USER-ID-00001 | TERMINAL-ID-00001 |
| USER-ID-00002 | TERMINAL-ID-12345 TERMINAL-ID-54321 |
| USER-ID-00003 | TERMINAL-ID-77777 |
| USER-ID-00004 | TERMINAL-ID-99999 |
| ... | ... |

FIG. 7 Usage Rule Management Table 700

| User ID | Usage Rule | Contract ID | Validity Period | Issuing Permission Remaining Times |
|---------------|---------------|-------------------|-----------------------|------------------------------------|
| USER-ID-00001 | URUS-ID-00001 | CONTRACT-ID-00001 | 2003/12/31~2004/1/30 | 1 |
| USER-ID-00002 | URUS-ID-00002 | CONTRACT-ID-13452 | 2003/12/1~2004/12/31 | 1 |
| USER-ID-00002 | URUS-ID-10011 | CONTRACT-ID-99999 | ∞ | 3 |
| USER-ID-00003 | URUS-ID-24024 | CONTRACT-ID-02804 | 2003/11/24~2004/12/23 | 2 |
| ... | ... | ... | ... | ... |

FIG. 8

Content Information Management Table 800

| Content ID | License ID | Validity Period | Use Permission Times |
|------------------|------------------|-----------------------|----------------------|
| CONTENT-ID-00001 | LICENSE-ID-00001 | 2003/12/31~2004/1/30 | ∞ |
| CONTENT-ID-00002 | LICENSE-ID-00002 | 2003/12/1~2004/12/31 | ∞ |
| CONTENT-ID-00003 | LICENSE-ID-00003 | ∞ | 1 |
| CONTENT-ID-00004 | LICENSE-ID-00004 | 2003/11/24~2004/12/23 | 5 |
| ... | ... | ... | ... |

FIG. 9

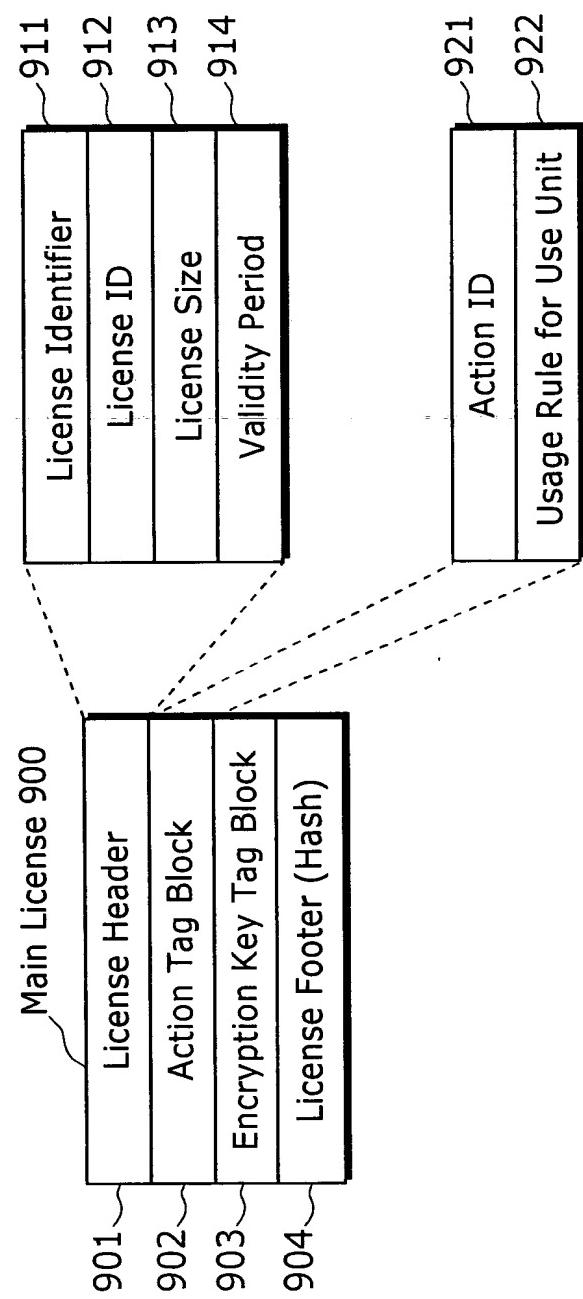


FIG. 10

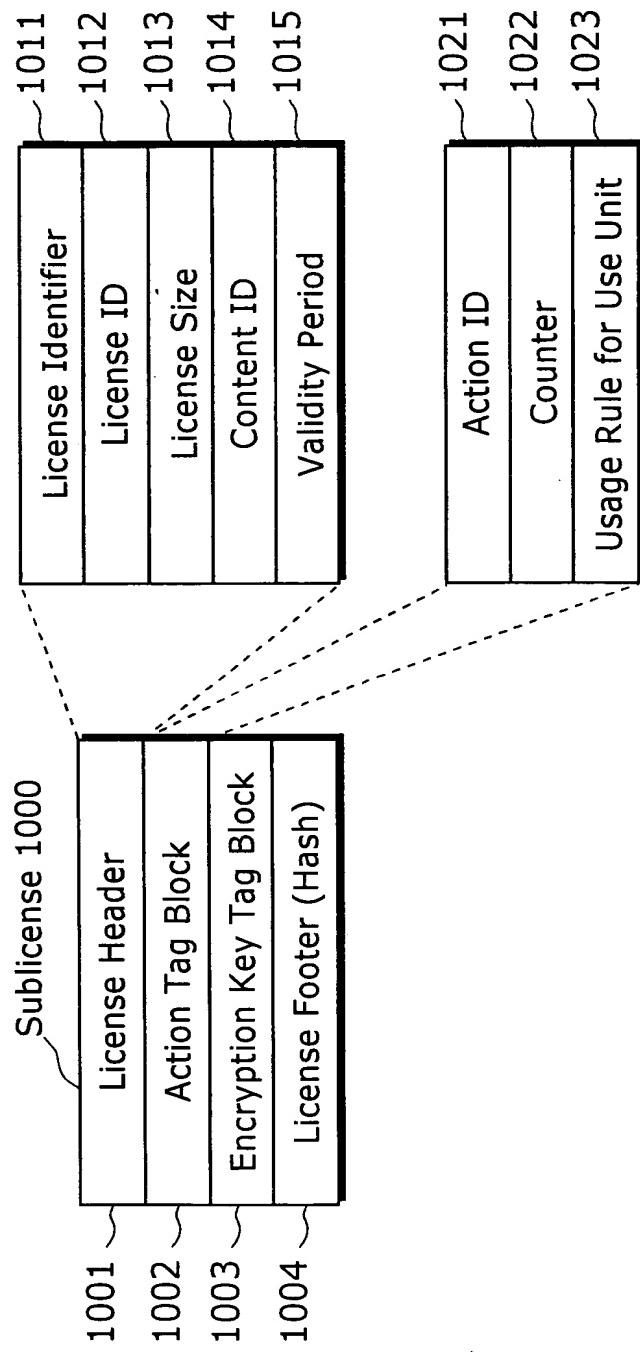


FIG. 11
101b

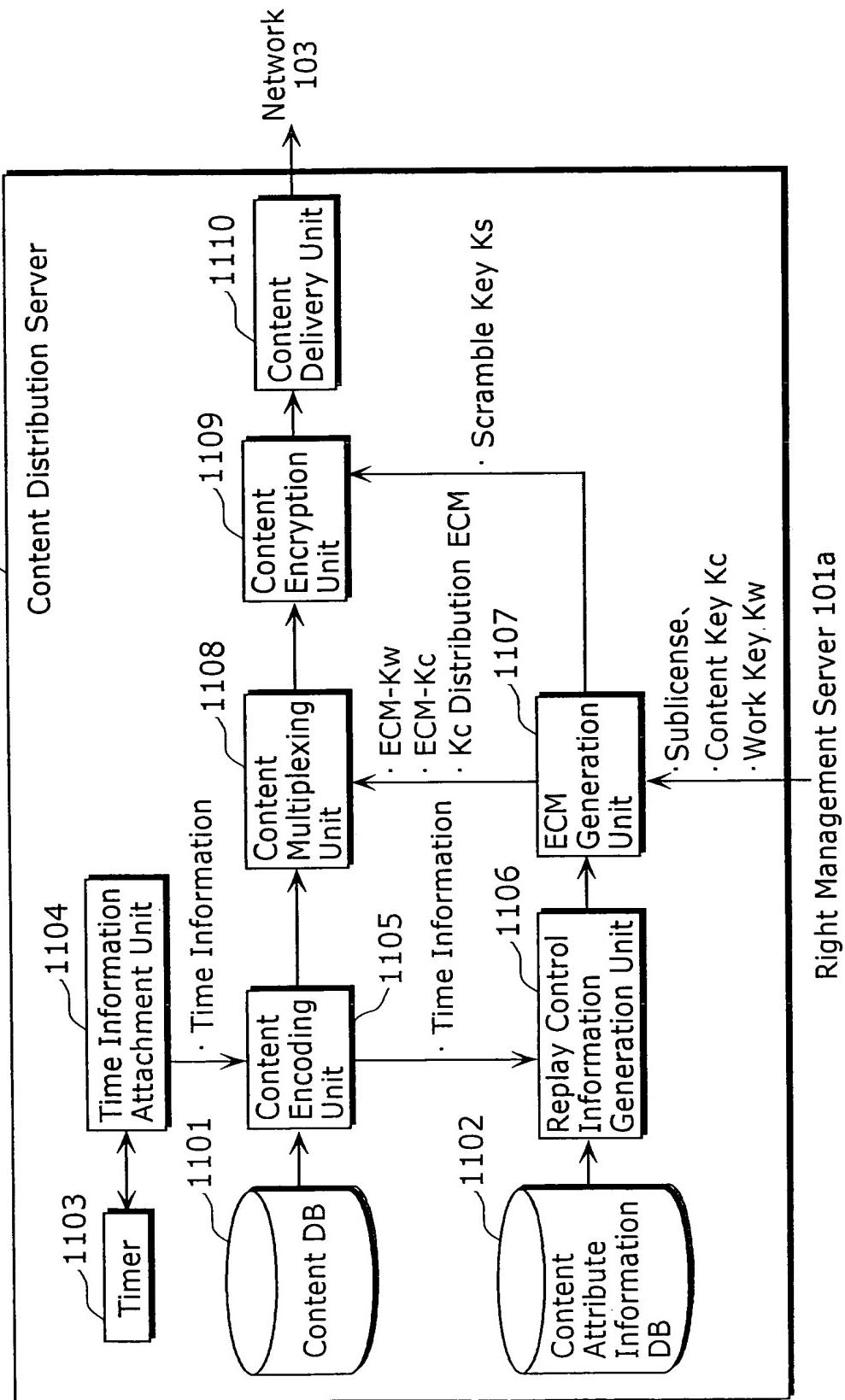


FIG. 12

Content Attribute Information Management Table 1200

| Content ID | Content Name | Preview Permitted Section | CM Section |
|-------------------|--------------------------|---|--|
| CONTENT-ID-000001 | Inoue Tetsuya NEWS 23 | 0Min.~10Min. ... | 5Min.~8Min. 20Min.~25Min. 40Min.~43Min. ... |
| CONTENT-ID-000002 | Product X | Real Time: 0Min.~10Min. Stored: 5Min.~10Min. 20Min.~30Min. ... | — ... |
| ... | ... | ... | ... |

FIG. 13

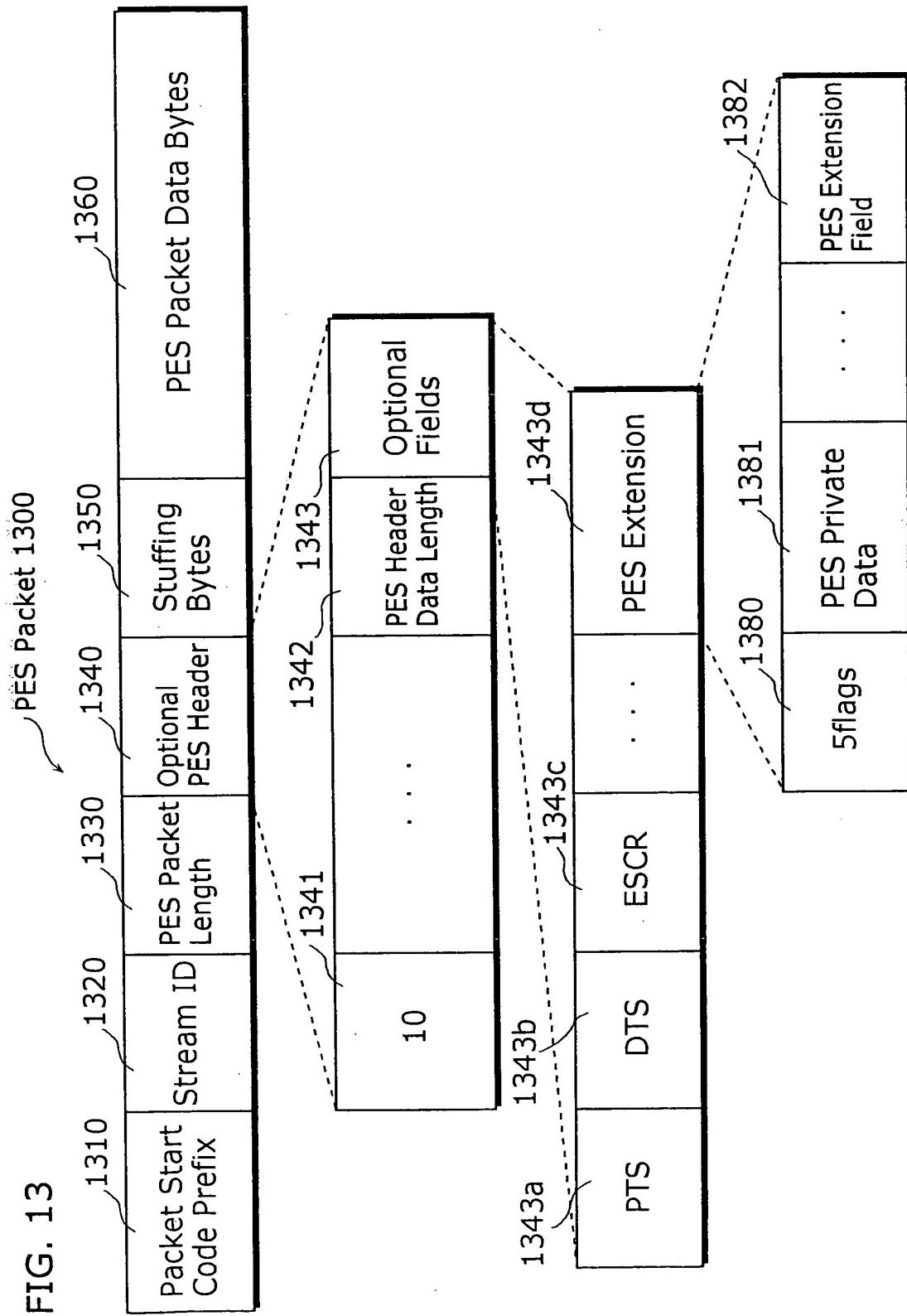


FIG. 14

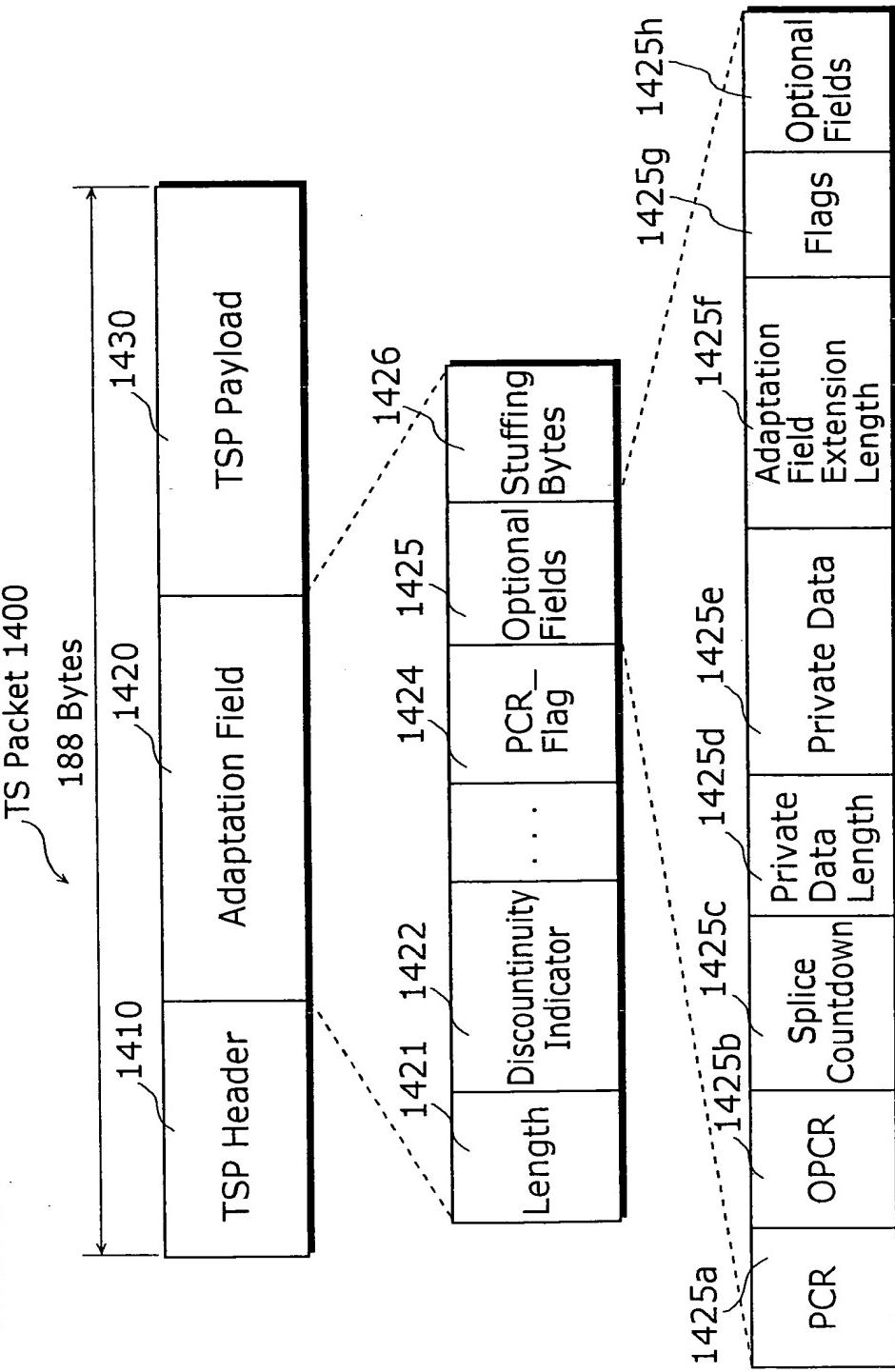


FIG. 15

Control Information Tag Block 1500

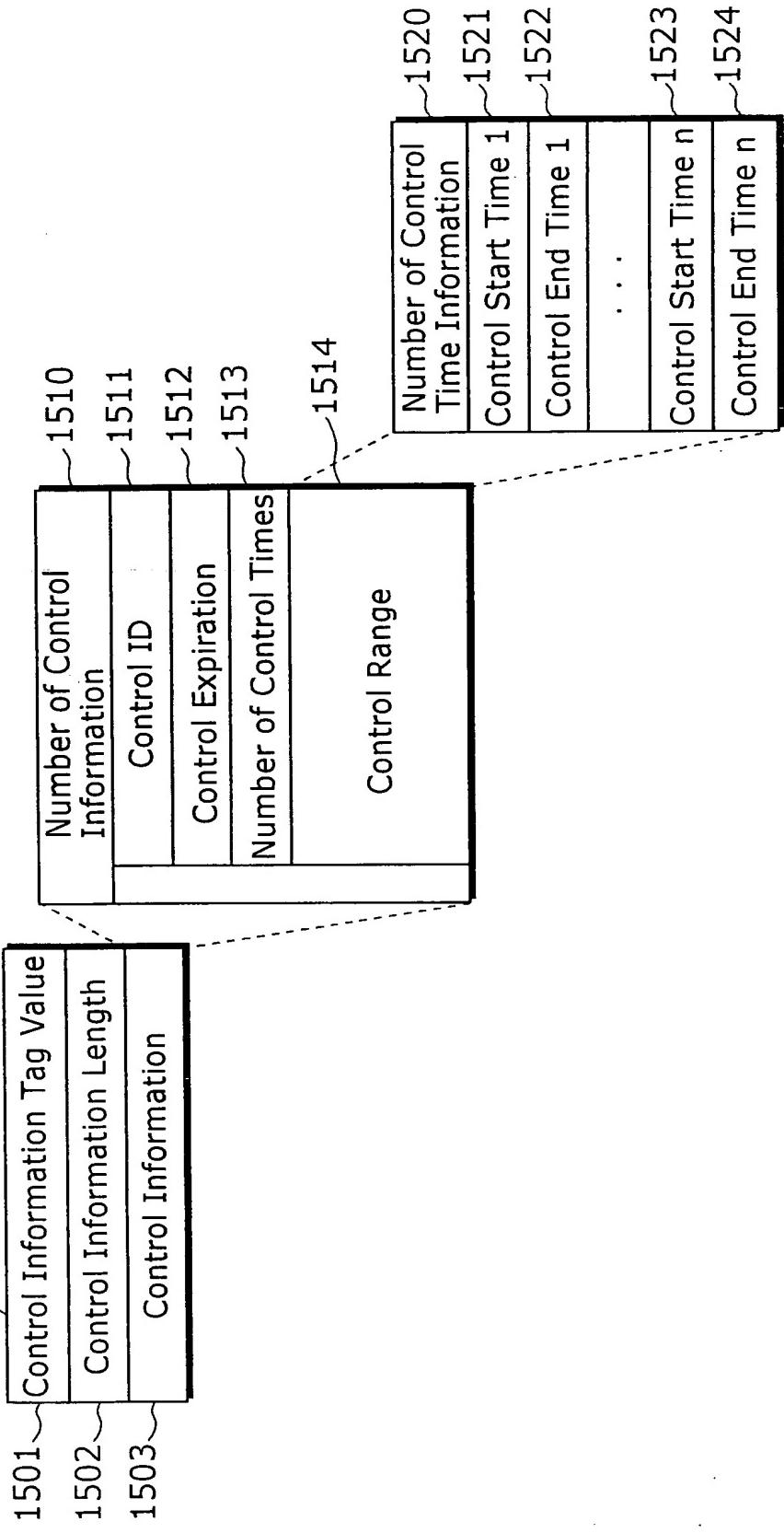


FIG. 16

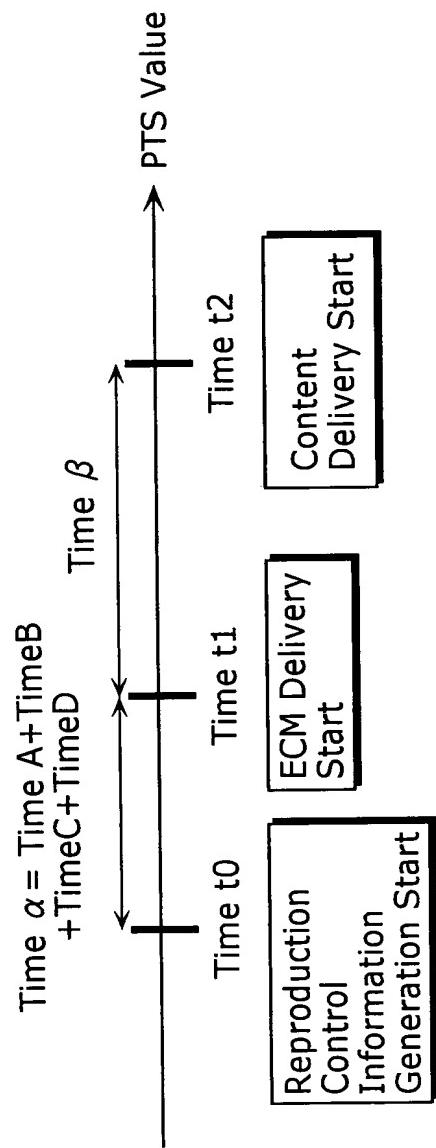


FIG. 17

Control
Information 1503

| | |
|----------------------------|-------|
| 2 | 1701 |
| Preview Permitted | 1702 |
| 2004/9/14 | 1703 |
| 2 Times | 1704 |
| 1 | 1705a |
| 10000 | 1705b |
| 100000 | 1706 |
| Special Replay Unavailable | 1711 |
| 2004/7/6 | 1712 |
| 3 Times | 1713 |
| 2 | 1714a |
| 20000 | 1714b |
| 100000 | 1715 |
| 500000 | 1716 |
| 1000000 | 1717 |
| ... | |

FIG. 18

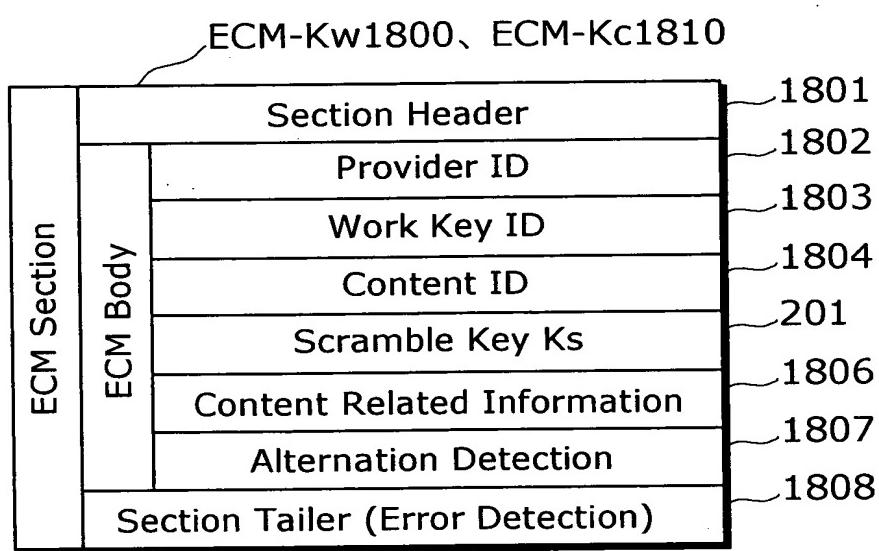


FIG. 19

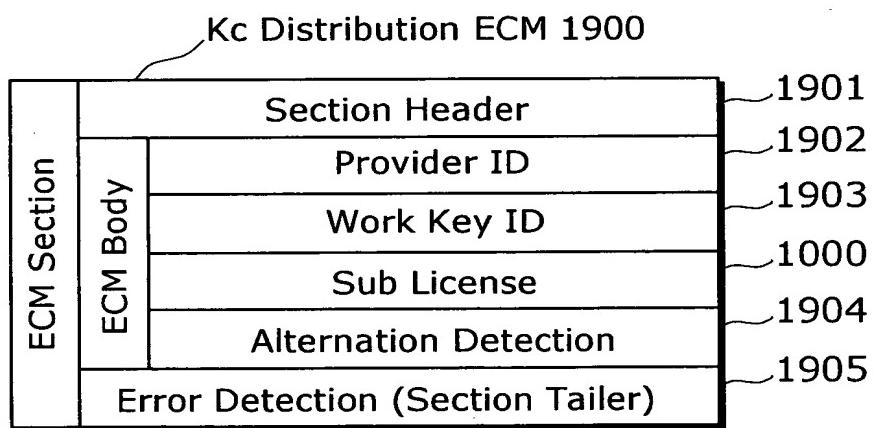


FIG. 20

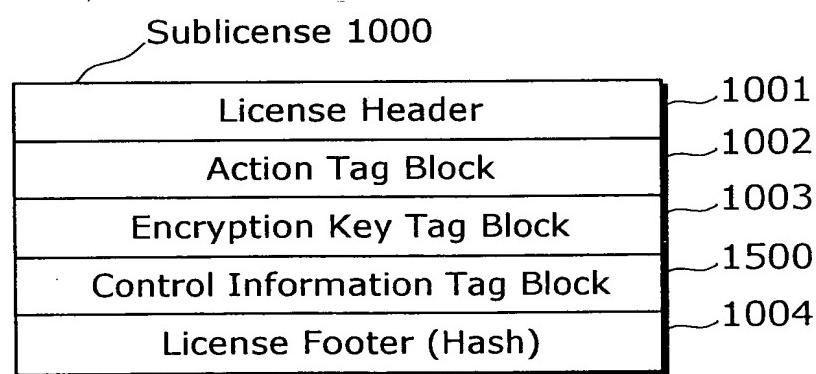


FIG. 21

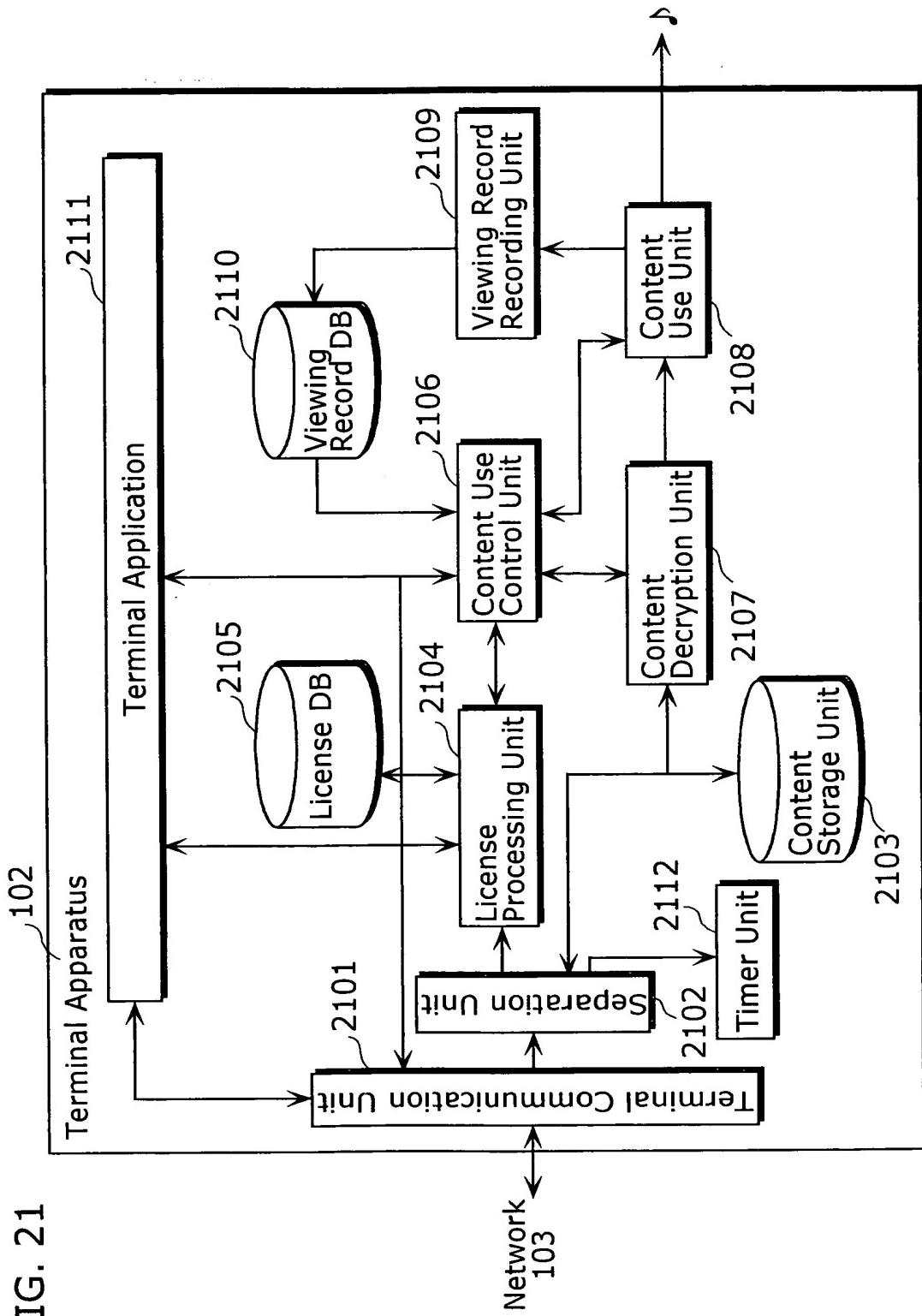


FIG. 22

| | | |
|------|----------------------------|--------------------|
| 2201 | UL Identifier | XDRM-UL |
| 2202 | UL Size | 128 |
| 2203 | User ID | USER-ID-000001 |
| 2204 | Terminal ID | TERMINAL-ID-000001 |
| 2205 | Content ID | CONTENT-ID-000001 |
| 2206 | License ID | LICENSE-ID-223606 |
| 2207 | Action Type | Play |
| 2208 | Use Start Time | 2003/1/1 10:00:00 |
| 2209 | Number of Time Information | 5 |
| 2210 | Start Time Information1 | 13970584 |
| | End Time Information1 | 13999999 |
| ... | | ... |
| 2210 | Start Time InformationN | 32141683 |
| | End Time InformationN | 39705843970 |

FIG. 23

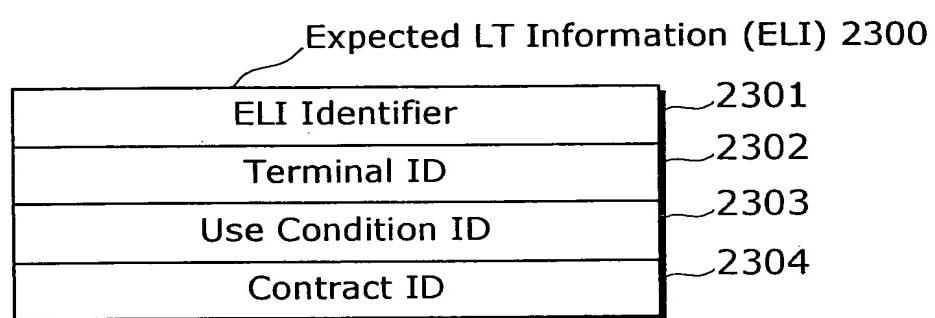


FIG. 24

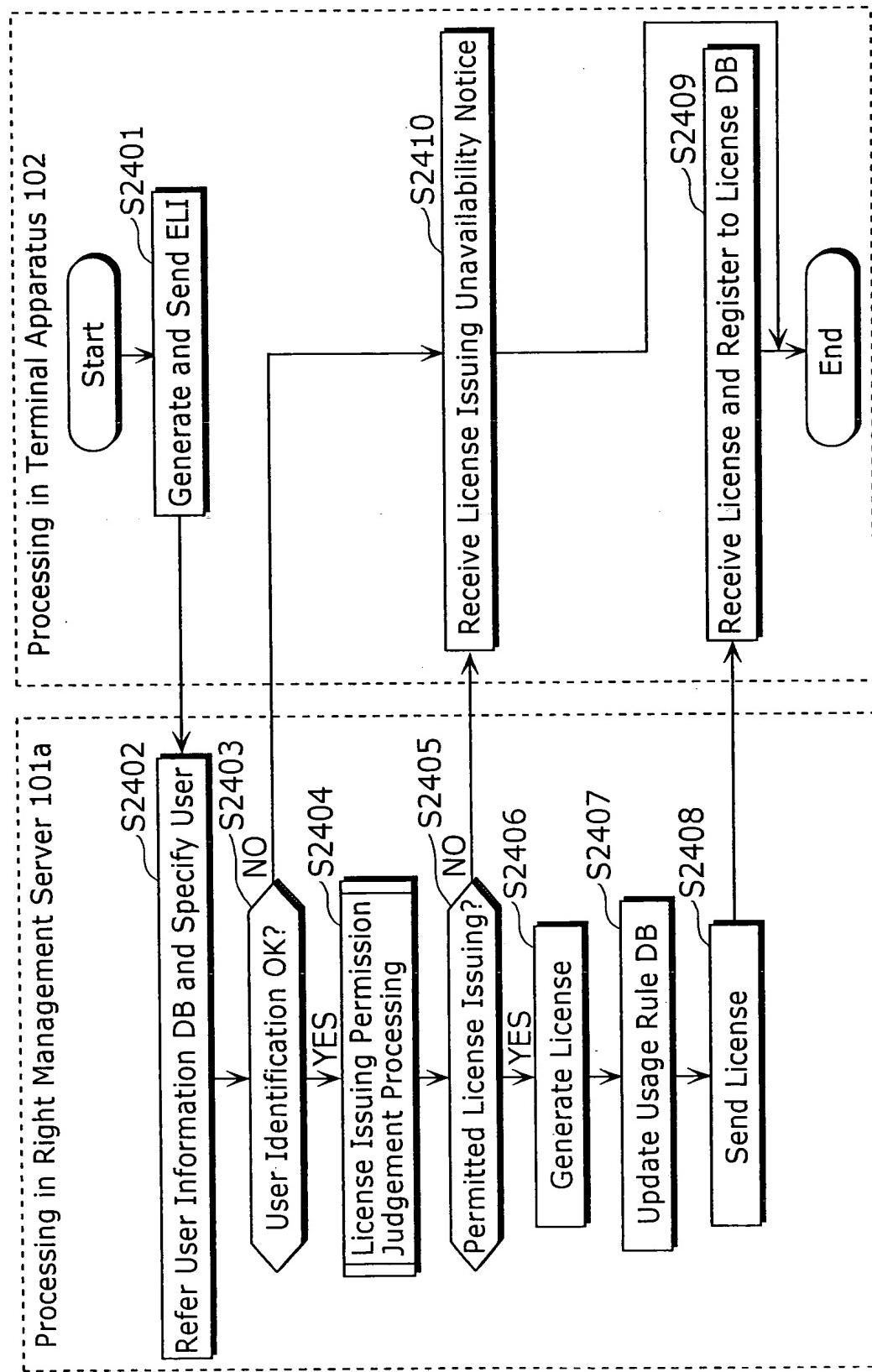


FIG. 25

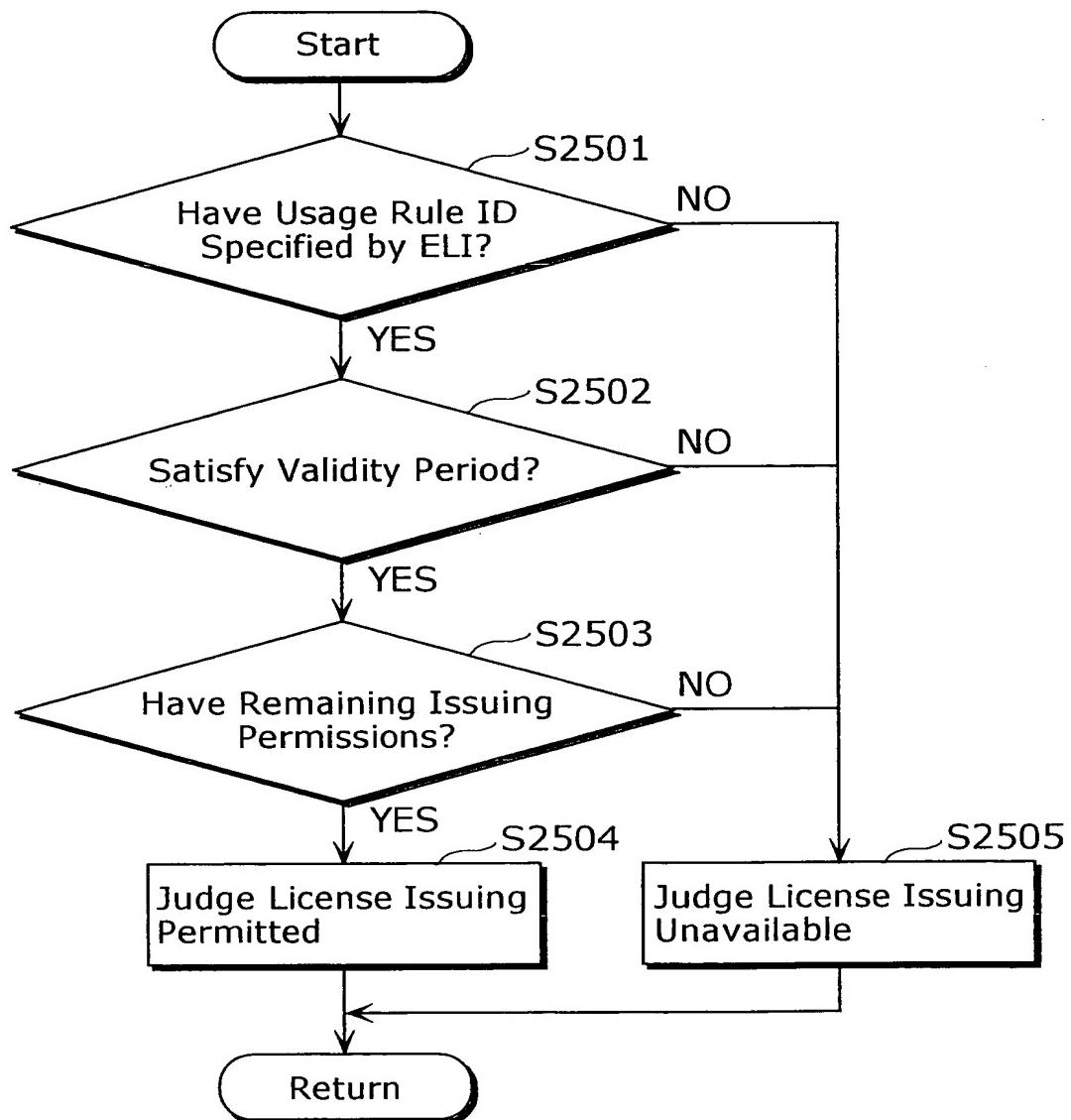


FIG. 26

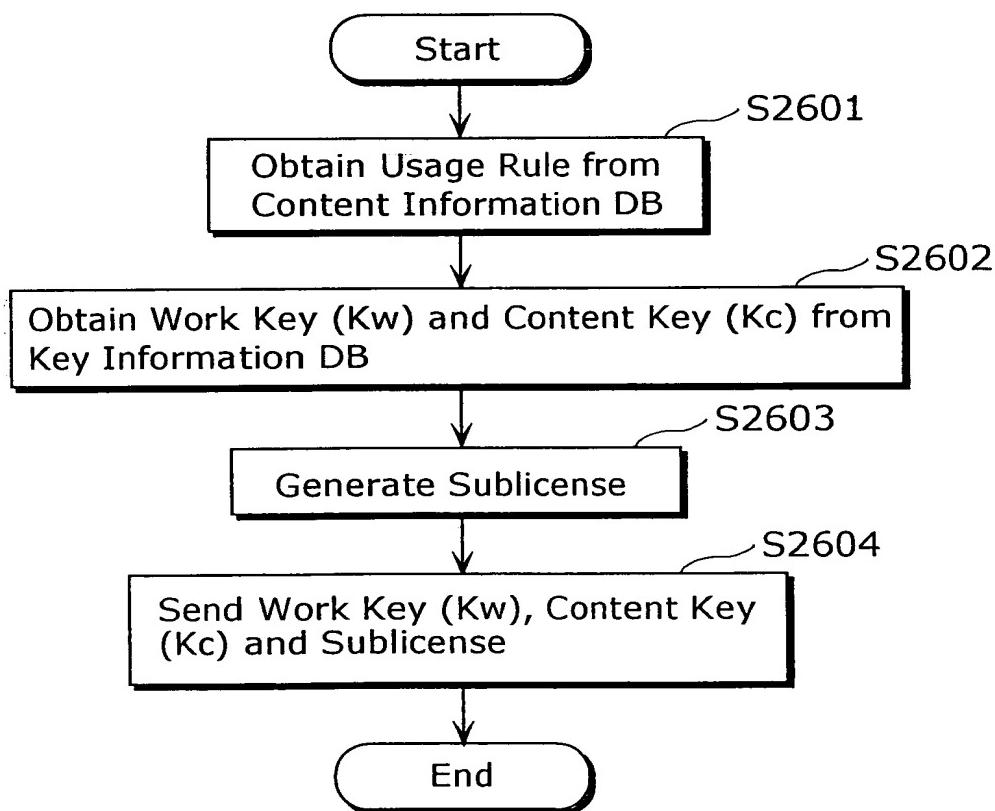


FIG. 27

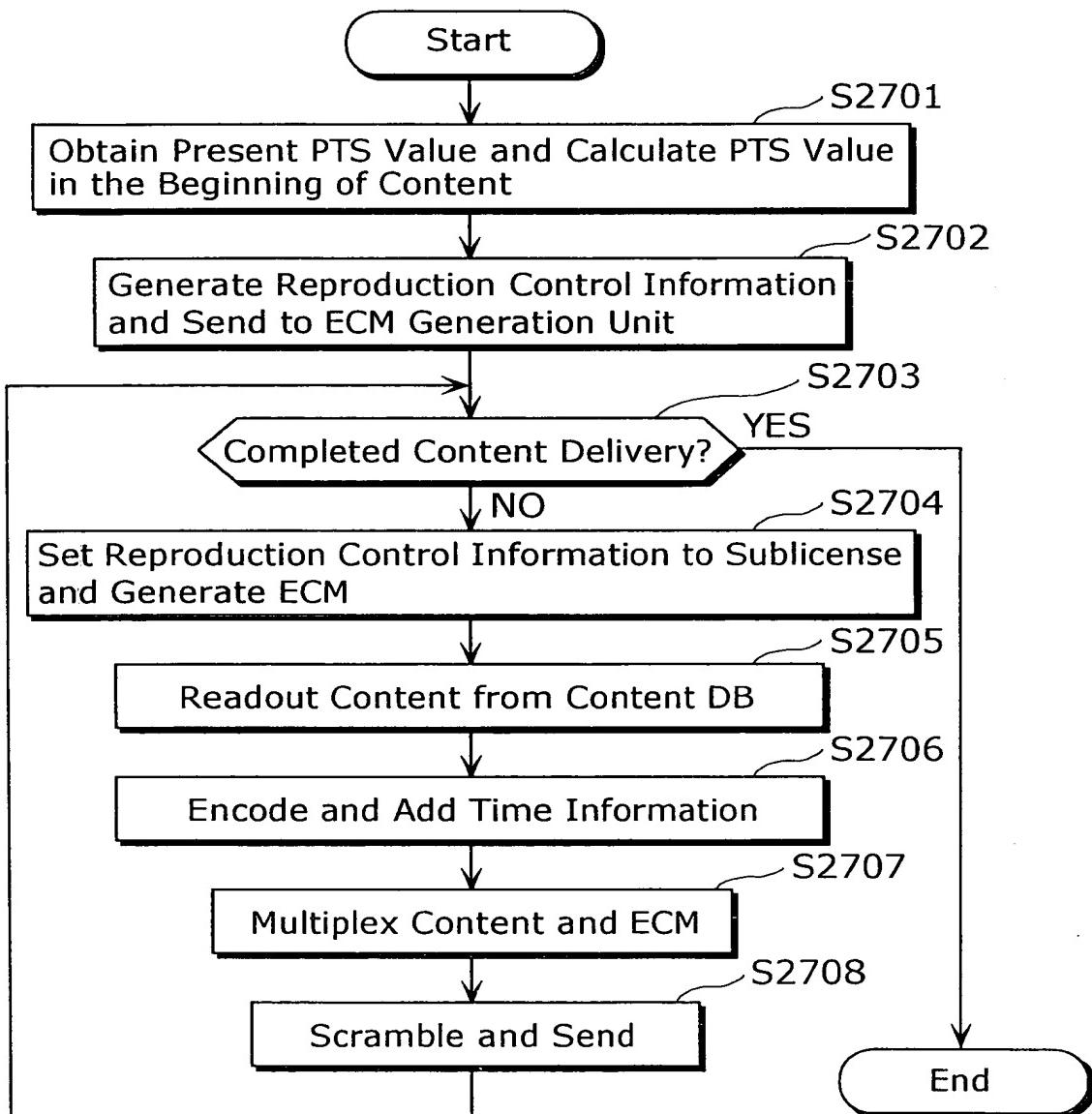


FIG. 28

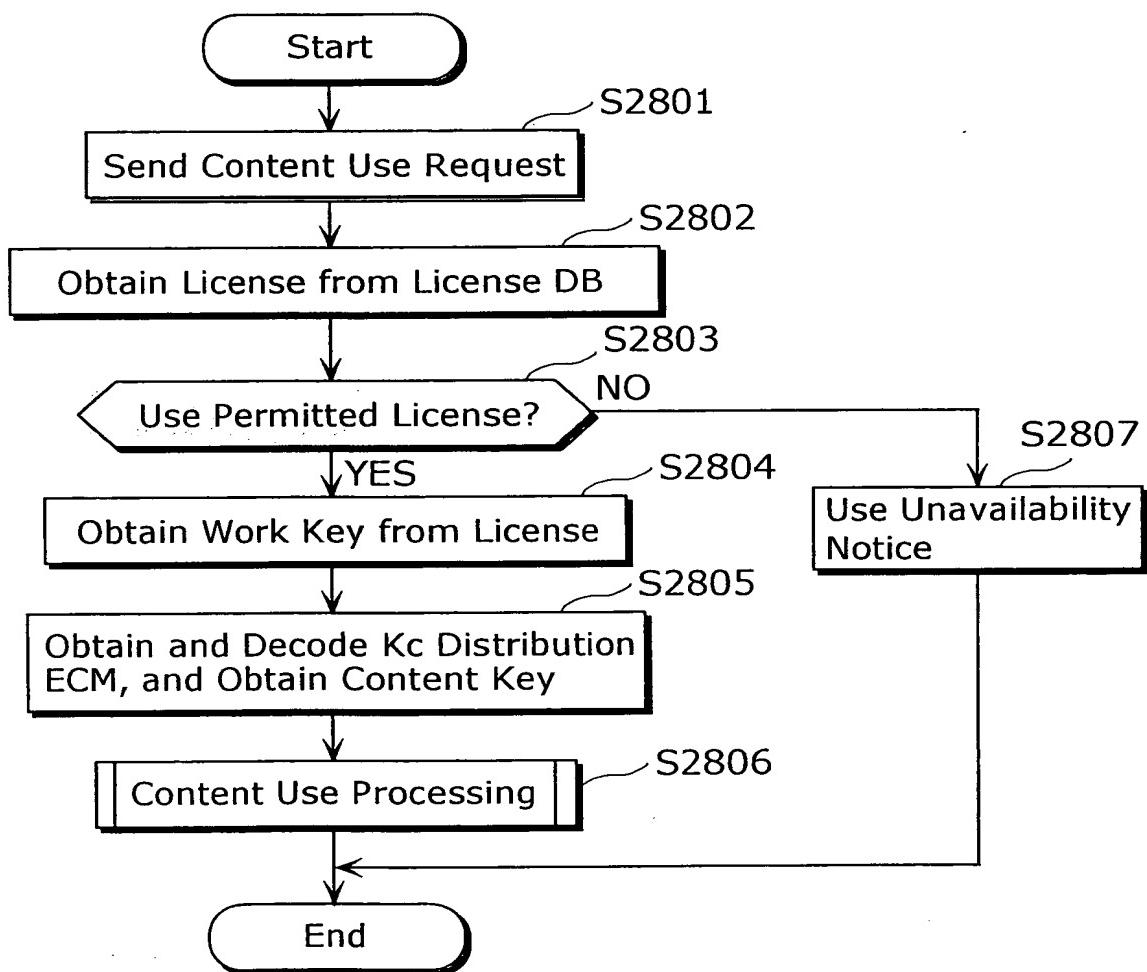


FIG. 29

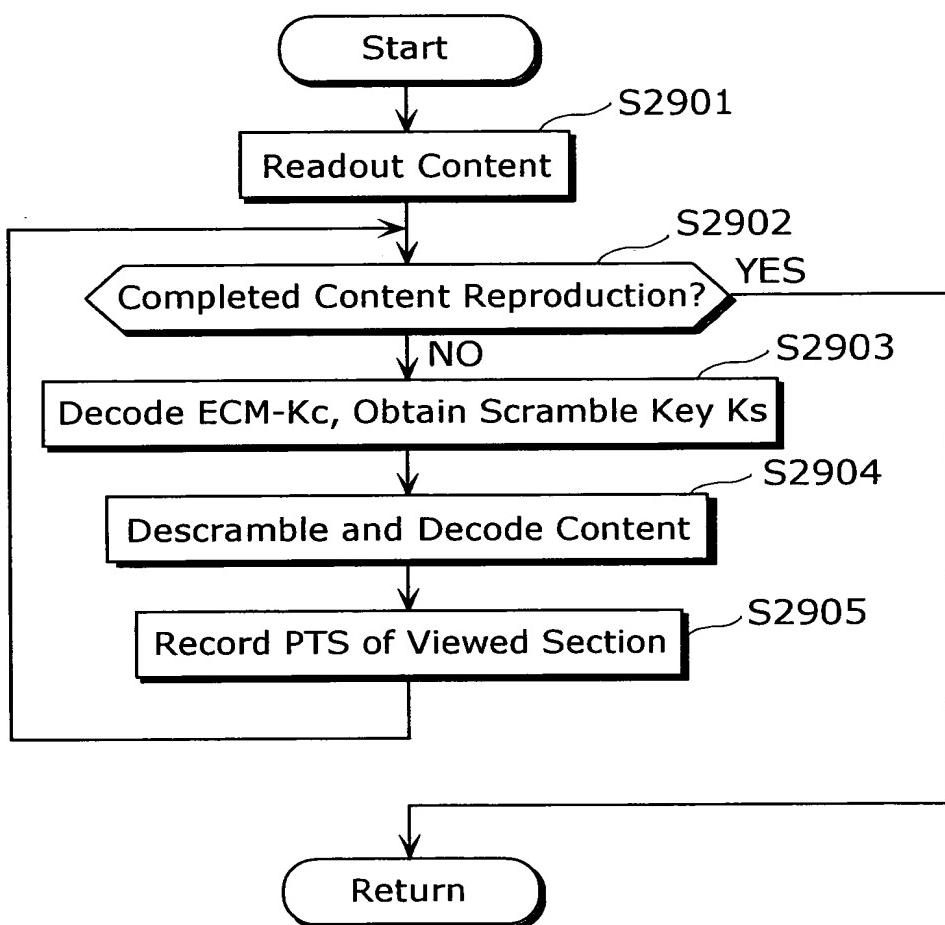


FIG. 30

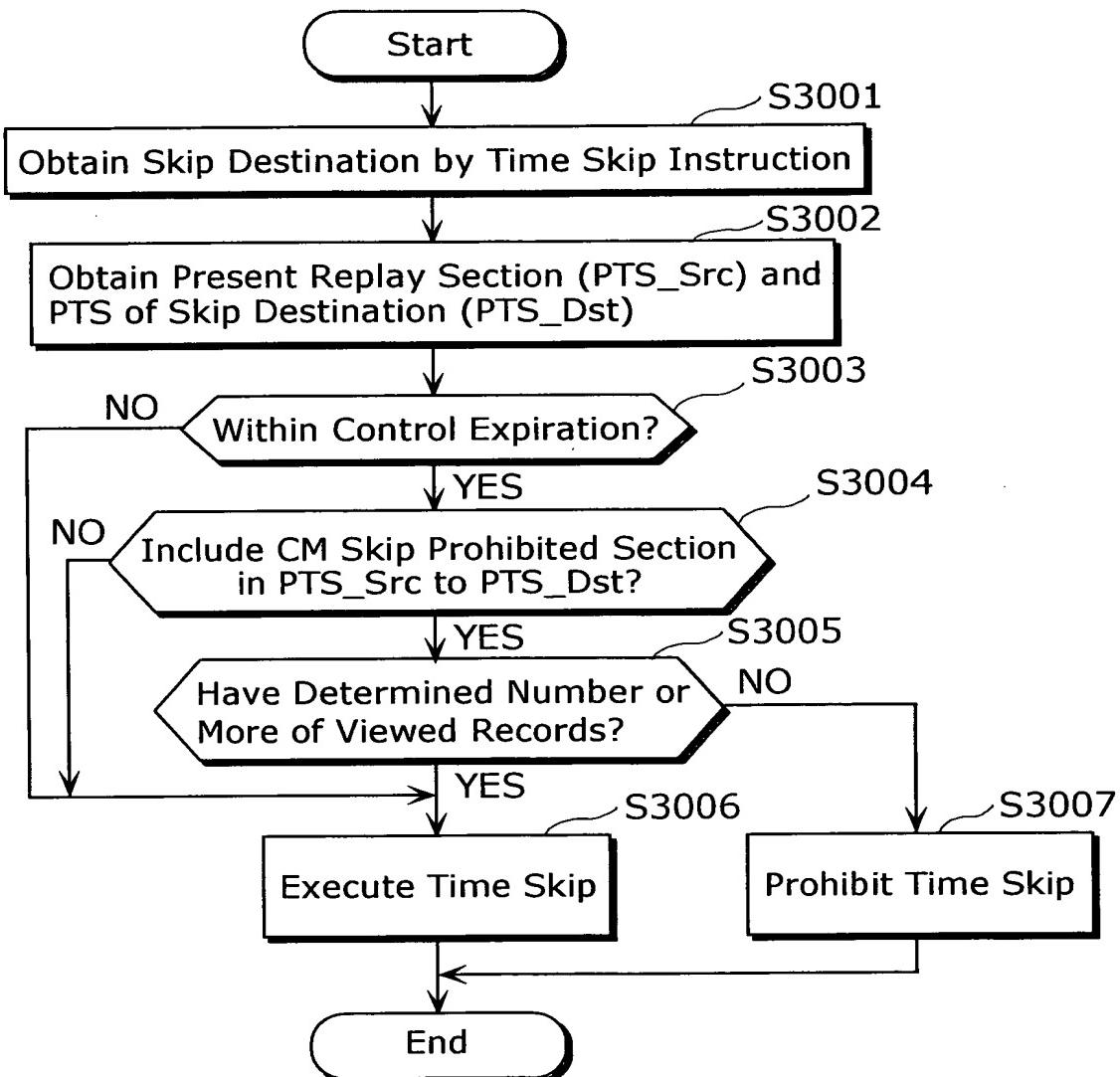


FIG. 31

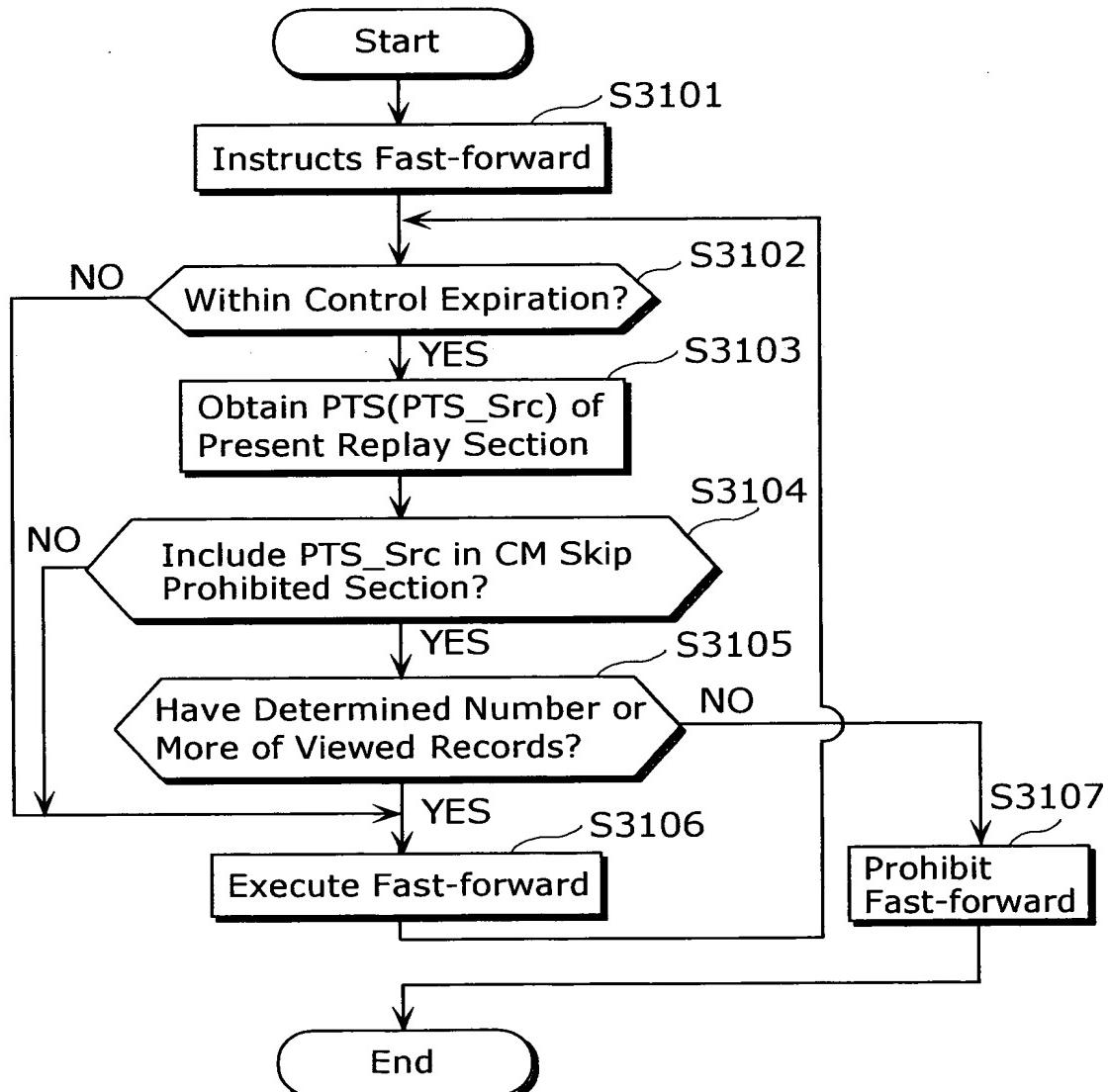


FIG. 32

